		Workshop 1	
Panel Title	Agency/Organizat	·	Title/Topic
T differ ricie	Staff	opeane. (b)	There is a second secon
		Rich Satkowski	Review Process
		Peter Goodwin	Introduction to Panel
			Overview of Hydrologic
			changes of the system
		Bill Fleenor	(modifications of flows)
			Ecosystem and low salinity
		Wim Kimmerer	zone Changes
			Managing estuary for uncertain
Invited Expert Panel	Invited Expert	Jim Cloern	future
,	Panei	Anke Mueller-Solger	Changing Sciencefor a
		Larry Brown	Changing Estuary
		Cliff Dahm	Summary of 1st panel
			Questions to 1st panel part 1
			Questions to 1st panel part 2
	United States	Erin Foresman	Water Quality/support X2
	Environmental Protection		
			New Science Regarding Delta
	Agency, Region IX; United	Matt Nobriga	Smelt (Adult/Larval/Rearing
	States		Habitat)
Regulatory/Fish	Department of	1	SF Bay Delta Ecosystem
Agencies Panel	the Interior Fish		changes and the Low Salinity
	& Wildlife	Patrick Coulston	Zone
	Service;		What's Next and Adaptive
	California Department of	John Shelton	management
	Fish and Game		Panel 2 Questions
		Russ Stein	Introduction to Panel
	Department of	Ted Sommer	Low Salinity Zone/FLaSH
Resource Mangement	Water	Andrew Schwarz	Climate change
Agencies Panel	Resources	John Leahigh	Managing Uncertainty
			Panel 3 Questions
	Defense		
	Council;		Video Net Opline
	American		Video Not Online
Environmental/ NGO groups Panel		Jonathan Rosenfield	
	Coast Federation of		Video Not Online
	Fishermen's	Tom Cannon	VIGCO INOL OTHITIC
	Associations;		Enhanced Delta Flows Needed
	California Water		to Help Control Water Quality
	Impact Network;		Impacts of Delta Pollutants
	G. Fred Lee & Associates;	G. Fred Lee	
	California		
-	Camorna	-	

		Tim Stroshane	Video Not Online
	Flow Science Incorporated on behalf of City of Antioch	Susan Paulsen	The City of Antioch, BDCP impacts on Antiock and the "historical" delta
	East Bay Dischargers Authority/Bay Area Clean Water Agencies	Michael Connor	Ecosystem Changes and the Low Salinity Zone: In-Delta Water Interests Comments on Science/Policy Intersection
In-Delta Water Interests	Sacramento Regional County Sanitation District	Mike Bryan Cameron Irvine	Need for a Comprehensive Delta Monitoring Framework as Part of the WQCP Implementation Program Questions to Mike Bryan Additional Scientific and Technical Information for the SWRCB Comprehensive (Phase 2) Review and Update to the Bay-Delta Plan Questions
Sacramento Valley Water suppliers	Sacramento Valley Water Users; Northern California Water Association	Walter Bourez	Uncertainty in positioning of LSZ; Use of Hydrologic Data; Lack of Relationship Between Sacramento Valley Water Use And Pelagic Fish Declines; Hydrologic Impacts of Delta Flow Requirements Based On Unimpaired Flows; Managing for multiple beneficial uses
State/Central Valley Project contractors	Mendota Water	Dave Fullerton Paul Hutton Sheila Greene Chuck Hanson	Overview of flows correlation to fish populations and introduction to panel Histortical Flows Natural Flow Functions Habitat and Invasives

	I	Workshop 2	T
Panel Title	Agency/Organizat	Speaker (s)	Title/Topic
	Staff Presentation	Richard Satkowski	Workshop Process
		Randy Baxter	Theme 3: Key emerging science Individual thoughts-SmeltCam and trawl sampling
		Brad Cavallo	Individual thoughts-Juvenile salmonoid and E/I
		Eric Danner	Individual thoughts- New tool:River Assessment for Forecasting Temperature
Invited Expert Panel		Kenneth Rose	Questions/Process/Theme 1: Implications of science for management
		Kenneth Rose	Individual thoughts
		John Largier	Theme 2: Need for improved science to reduce uncertainty
		John Largier	Individual thoughts
		Ted Sommer	Individual thoughts- fish habitat
		Panel (Peter Goodwin, Sam Harader, John Largier plus	
		the above) Panel Questions	Panel introduction Panel Questions
	The Natural Resources Defense Council / The Bay	Jonathan Rosenfield	Winter-Spring utflow, Delta Hydrodynamics and making decision in the face of uncertainty
Environmental/NGO Panel	Institute; Trout Unlimited; American	Rene Henery	Additional scientific information related to salmonids
	Rivers ;CA Sportfishing Alliance / CA Water Impact Network	John Cain	Importance of/New Science on Floodplains

			1
		Tom Cannon	Flows, exports, temperatures and Delta Smelt
		Brett Harvey	export diversions vs life history, juvenile diversity
Resource Management agencies panels	Department of Water Resources	Gardner Jones	BDCP conservartion measures and decision tree
agenties panels		Dennis McEwan	Near Term Habitat Restoration Actions
			Questions to the panel
	Contra Costa Water District	Deanna Sereno	Use of an Index for Old and Middle River Flow Objectives
In-Delta Water Interests Panel	Sacramento Regional County Sanitation District	Diana Engle	Addressing uncertaintiy regarding the pelagic good web: perspectives and suggestions
			Questions to Diana Engle
	N CA Water Assoc.; Sacramento Valley Water	Robert Latour	Data Analyses in Relation to Water Flow for Species in the Sacramento - San Joaquin Delta
Sacramento Valley Water Suppliers Panel		Dave Vogel	Insights into the Problems, Progress, and Potential Solutions for Sacramento River Basin Native Anadromous Fish Restoration for Consideration in the Bay-Delta Water Quality Control Plan Update
	San Joaquin	Tim O'Laughlin	
San Joaquin Valley Water Supplier Panel	Tributaries Association	Doug Demko	
		Dave Fullerton	Review of previous workshop presentation
		Chuck Hanson	Relationships between flow and salmon survival
	State Water	Steve Cramer	Integration of scientific information and decisionmaking
State and Central Valley Project Contractors	Contractors; San Luis & Delta-Mendota Water Authority	Dave Fullerton	Pelagic Fish-Delta smelt

		Richard Deriso	Lifecycle Modeling; Entrainment	
		Noble Hendrix	Fall X2 and Delta smelt abundance	
		Dave Fullerton	Outflow and Longfin smelt abundance	
		Richard Dugdale	Ammonium inhibition and the foodweb	
Valley Project	San Luis &		Questions to the panel	
		Erin Foresman	Introduction	
	United States Environmental Protection Agency, Region IX; US DOI Fish & Wildlife Service; US NOAA Fisheries Service; California Department of Fish and Game	Bruce Herbold	EPA Recommendations, Historical Delta- X2 history	
		Erin Foresman	Recommentation on how to use information to make decisions	
		Agency, Region	Kevin Shaffer	Anadromous species- Winter Run Salmon
Regulatory/ Fishery		Patrick Coulston	Smelt entrainment	
agencies		Pat Brandes	Salmon- stock status, juvenile abundance, spring and winter genetics, survival and DCC gate closure	
		Garwin Yip	Low winter-run chinook, NMFS BiOps, modeling range of flows, dams and cold water pool,	
		Panel Questions		

Workshop 3						
Panel Title	Agency/Organizat	Speaker (s)	Title/Topic			
	Staff Introduction	Richard Satkowski	Workshop Process			
		Peter Goodwin Jon Burau				
		John DeGeorge	How the Delta Works - Movement and Connections (basic Physics)			
Invited Expert Panel	Invited Expert Panel	John Durand Greg Gartrell Marianne Guerin	How the Delta Works - Some manangement issues			
			Summary of report/questions			

		Jay Lund Peter Smith William Smith Mark Stacy Chris Enright	Summary of report/questions
Alternative Modeling Approaches Panel	ICF International;Sto ckholm Environment Institute	Russ Brown	Daily Hydrology and fish tracking methods in the Central Valley and bay-Delta
		David Purkey	Central Valley WEAP Model
vironmental/ NGO Par	Natural Resources Defense Council / The Bay Institute; American Rivers; CA Water Impact Network; CA Sportfishing Protection Alliance; The Nature Conservancy	Peter Vorster John Cain (1) John Cain (2) Tim Stroshane Chris Shutes Leo Winternitz Clint Alexander	Analytical Tools and Approaches for Adaptive Management, Flood Plain Restoration Planning, and Reservoir Re-Operation Water Availability Analysis for River Basins Tributary to the Bay-Delta Estuary Water Balance Modeling for the Comprehensive Review And Update to the Bay - Delta Plan Ecological Flows Tool
Resource Management Agencies Panel	Water Resources; US DOI Bureau of Reclamation	Erik Reyes Ron Milligan Paul Fujitami Mary Johannis Tom Fitzhugh	CalSim-II, CalLite, DSM2, SELFE Operational Considerations quality modeling/SJR flow model
In-Delta water	City of Antioch		
interests panel		Susan Paulsen	
Hydrpower Producers Panel	CA Municipal Utilities Association; State Water Contractors; Northern CA Power Agency	Dave Modisette Timothy Haines	Background on Hydropower Align Water and Energy Policy Delta Flow Objectives May Impact Central Valley Project and Central Valley Project
		Jerry Toenyes	Improvement Act

	CA Energy Commission;	Mike Jaske	Background and overview of Hydrpower models
California Energy Agencies	CA Public Utilities Commission; CA Independent	Nathaniel Skinner	Rate payer concerns and modeling forecasts and assumptions
	System Operator	Dennis Peters	Background and overview of Hydrpower models
Sacramento Valley	Sacramento Valley Water	Mark Petrie	Waterfowl and the WQ control plan
Water Suppliers Panel	Users	Walter Bourez	Changed in operations since 2006 WQ control plan and discuss anaytical tools
San Joaquin Valley Water Suppliers Panel	Association	Tim O'Laughlin Doug Demko	Comments pertaining to use of SJB salmon population models to modify flow standards for the purpose of doubling natural production of Chinook salmon
		Wayne Lifton Paul Hutton	Adaptive management A Model to Estimate Natural Delta Outflow
State and Central Valley Project Contractors Panel	Water Authority	David Sunding	Modeling the Economic Impact of Changes in Delta Water Supplies
		Ray Hilborn	Life Cycles models, decision making, and resolving scientific uncertainty
	CA Department	Dean Marston Patrick Coulston	Update on SALSIM Recommendations on Use of Biological models
Regulator/ Fishery Agencies Panel	of Fish and Game; US NOAA Fisheries Service; US DOI Fish and Wildlife Service;	Candam Sokyan	A Flexible, Multi - Input Life Cycle Model for Chinook Salmon in the Central Valley of California Using Structured Decision
	US EPA	Julie Zimmerman Bruce Herbold	Making to manage uncertainty and improve management outcomes

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